

# Latest information for three COVID-19 vaccines



Basic information and latest news (as of Mar. 8, 2021)

Vaccine type	mRNA	mRNA	Adenovirus
Safety and effectiveness	<ul style="list-style-type: none"> <li>100% effective in preventing death and hospitalization</li> <li>Phase 3 trial efficacy of 95%</li> <li>Efficacy consistent across age, gender, race, and ethnicity</li> <li>EUA safety milestone required by FDA met</li> </ul>	<ul style="list-style-type: none"> <li>100% effective in preventing death and hospitalization</li> <li>Phase 3 trial efficacy of 94.1%</li> <li>Preliminary research suggest broadly consistent safety and efficacy across all evaluated subgroups</li> </ul>	<ul style="list-style-type: none"> <li>100% effective in preventing death and hospitalization</li> <li>85% effective in preventing severe disease; 72% effective in preventing moderate-to-severe COVID-19</li> <li>EUA safety milestone required by FDA met</li> </ul>
EUA information	<ul style="list-style-type: none"> <li>EUA issued Dec. 11 by FDA</li> <li>ACIP voted to approve vaccine Dec. 12</li> <li>CDC accepted recommendations Dec. 13</li> <li>First shipments received week of Dec. 14</li> </ul>	<ul style="list-style-type: none"> <li>EUA issued Dec. 18 by FDA</li> <li>ACIP voted to approve vaccine Dec. 19</li> <li>CDC accepted recommendations Dec. 20</li> <li>First shipments received week of Dec. 21</li> </ul>	<ul style="list-style-type: none"> <li>EUA issued Feb. 27 by FDA</li> <li>ACIP voted to approve vaccine Feb. 28</li> <li>CDC accepted recommendations Feb. 28</li> <li>First shipments received week of Mar. 1</li> </ul>
Estimated quantities and timelines	<ul style="list-style-type: none"> <li>Up to 50 M doses in 2020</li> <li>Up to 1.3 B doses by end of 2021</li> </ul>	<ul style="list-style-type: none"> <li>Up to 20 M doses in 2020</li> <li>500 M to 1 B doses by end of 2021 (100 M of which available in Q1)</li> </ul>	<ul style="list-style-type: none"> <li>Up to 100 M doses by end of May 2021</li> </ul>
Order size information	6 dose vials, minimum order 1,170 doses	10 dose vials, minimum order 100 doses	5 dose vials, minimum order 100 doses
Administration information			
Doses; days apart	2; 21 days (4-day grace period from day 17-21)	2; 28 days	1
On site mixing?	Yes, mix with provided diluent	No (no diluent required)	No (no diluent required)
Storage requirements	Long-term, must be stored at -75° (+/- 15°) C (up to 6 months); can be stored in thermal shipping container up to 30 days with re-icing every 5 days (dry ice); standard freezing for up to two weeks; use within 5 days of thawing (2° - 8°C); thawed vaccine cannot be refrozen	Long-term, must be stored at -15° to -25° C (up to 6 months); use within 30 days of thawing (2° - 8°C); room temperature for vaccination (up to 12 hours); thawed vaccine cannot be refrozen	Standard refrigeration (2° - 8°C) for up to three months; room temperature up to 12 hours